

Page 1 of 1

All amounts are calculated in domestic currency.

All Vendors PO ID PO29524 Receipt Dates from 8/27/2015 to 8/27/2015

All Line Item Types

All Currencies

Total Received Quantity:	
Total Qty to Inspect (PO U/M):	
Total Reject Quantity:	
Total Receipt Value:	
Total Balance Due Quantity:	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID PO29524
Purchase Order Date 8/19/2015
PO Print Date 8/19/2015

Order From : VU-TWM001
Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Order From :
TW METALS
PO BOX 933014
ALANTA, GA 31193-3014
US

FAXED

Contact Name: Buyer Chantal Lavoie
Vendor Phone: 585 768 5600
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
Ship To Contact
Ship To Phone
Ship Via: YRC COLLECT
Ship Acct:

Line	Reference	Description/	Reg Date/	CD	Reg Qty/	Unit of	Measure	PO Unit Price	Extended Price
Nbr	Vendor Part Number	Line Comments	Taxable						

1	M6061T6T0.375W.058	6061-T6 RD Tube .375 x.058W	8/27/2015		120.00	/		\$2.15	\$258.00
		MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING AMS 4080 OR AMS 4082 OR QQ-A-225/8 OR ASTM B241	Yes						
		8/27/2015							
2	M6061T6T0.625W.125	6061-T6 RD Tube 0.625 X.125W	8/27/2015		48.00	/		\$5.15	\$247.20
		MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/6 OR QQ-A-200/8 OR QQ-A-225/8 OR AMS 4080 OR AMS 4082 OR ASTM B210 OR ASTM B241	Yes						
		8/27/2015							
		15/08/26							
		\$247.20							
		Line Total:							\$258.00
		Line Total:							\$247.20

Note:

8/19/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID PO29524
Purchase Order Date 8/19/2015
PO Print Date 8/19/2015
Page Number 2 of 2

Order From : TW METALS
PO BOX 933014
ALANTA, GA 31193-3014
US
Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name Vendor Phone 585 768 5600
Buyer Chantal Lavoie
Customer POID Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB FCA - (Free Carrier)
Ship To Contact Ship To Phone Ship Via: Ship Acct:
YRC COLLECT
6061-T6 RD Tube .750 x .125W
8/27/2015 Yes 8/27/2015

MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING
AS PER W-W-T-700/6 OR Q-Q-A-200/8 OR Q-Q-A-225/8 OR
AMS 4080 OR AMS 4082 OR AMS 4083 OR ASTM B210 OR
ASTM B241

3	M6061T6T0.750W.125	6061-T6 RD Tube .750 x .125W	8/27/2015	Yes	24.00	\$9.20	\$220.80	Line Total:	\$220.80
4	71401-45	PROCUREMENT QUALITY CLAUSES	8/27/2015	No	1.00	\$0.00	\$0.00	Line Total:	\$0.00
		Procurement Quality Clauses	8/27/2015	No				PO Total:	\$726.00

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1 Change Date: 8/19/2015

Order Documentation:

- Packing List

- Material Test Report

Customer		DART AEROSPACE LTD
PO Number		PO29524
TW Order Number		60583533
Customer Number		1203820



Packing Slip

ORDER NO.: 60583533 FROM: CRAN PAGE 1

CUST NUMBER: 1203820 NET WGT: 19.218 REQ. DATE: 08/27/15 CONFIRMED

SOLD TO: DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKSBURY ON
CANADA
SHIP TO: DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKSBURY ON
ONTARIO CANADA
SHIP BY: 08/21/15
COMMON CARRIER
VIA: FREIGHT: PREPAID
RELEASE NO.: RECEIVING PHONE: CN K6A 1K7

SALESPERSON: DONNA SMALLEY
NET 30 DAYS
SHIPPING POINT: PO29524
F.O.B.:
CUST ORD NO.:
LINE ITEM DESCRIPTION 0001 42588 D6061-T6 5/8 OD X .125 WA
ORD QTY INVOICE QTY SHIPPED QTY WT 11.082 PCS 4
48.000 FT 48.000 FT 48.000 FT

** 1 TEST REPORTS REQUIRED **
ECN: EAR99
Export License: NLR
Expiration Date: 0/00/00
CUSTOMER QTY: 48.000 UOM FT
SLB/CL: 218040
MLT: UNITED STATES
MFG: UNITED STATES
PC: 4
PO: 49330211 HT: F001858850001
ORD QTY INVOICE QTY SHIPPED QTY WT 11.082 PCS 4
48.000 FT 48.000 FT 48.000 FT

** 1 TEST REPORTS REQUIRED **
ECN: EAR99
Export License: NLR
Expiration Date: 0/00/00
CUSTOMER QTY: 120.000 UOM FT
SLB/CL: 290075
MLT: UNITED STATES
MFG: UNITED STATES
PC: 10
PO: 49328613 HT: 33718928
ORD QTY INVOICE QTY SHIPPED QTY WT 8.136 PCS 10
120.000 FT 120.000 FT 120.000 FT

BROKERS KUEHNE AND NAGEL LTD

AREA	TYPE OF PKG	PKGS	GRS WEIGHT	WIDTH	LENGTH	HGHT
B	CARTON	1.000	24.000		12.5000	

UNLOAD TYPE: NONE SPECIFIED

BY: TW
RT 000-

DATE SHIPPED

DATE FILLED

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE
PRODUCTS ARE SET FORTH ON OUR WEBSITE FOR YOUR CAREFUL
REVIEW.
http://www.twmetals.com/invoice-terms.htm

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms conditions of sale. Test reports are on file subject to examination.

Linda Adkins, Quality Manager
Linda Adkins

CERTIFIED TEST REPORT
<http://Online.KaiserAluminum.com>

Art Onalits
QA Manager

By:

We hereby certify that the material has been on Precision Tube's sales acknowledgement, its compounds, not with any mercury containing revision of the RoHS Directive (2011/65/EU).

ALLOY:	6061	HEAT:	33718928	RAW MAT'L VENDOR:	PT48124 - Kaiser Aluminum
Si	0.40	0.15	0.80	0.04	0.25
Fe	0.40	0.15	0.80	0.04	0.25
Cu	0.40	0.15	0.80	0.04	0.25
Mn	0.40	0.15	0.80	0.04	0.25
Mg	0.40	0.15	0.80	0.04	0.25
Cr	0.40	0.15	0.80	0.04	0.25
Zn	0.40	0.15	0.80	0.04	0.25
Ti	0.40	0.15	0.80	0.04	0.25
Al	0.40	0.15	0.80	0.04	0.25
Rem.	0.40	0.15	0.80	0.04	0.25

OTHER ELEMENTS: 0.05 MAX EACH / 0.15 MAX TOTAL the following additional impurity maximum limits shall apply: Si, 1ppm(0.0001%); Cd, 1ppm(0.0001%); Fe, 10ppm(0.0010%); Ni, 10ppm(0.0010%); Se, 3ppm(0.0003%); Ag, 25 ppm(0.0025%); S, 15ppm(0.015%); Sn, 2ppm(0.002%); Zn, 1ppm(0.001%); Mn, 0.5ppm(0.0005%);

CHEMICAL COMPOSITION

EDDY CURRENT: PASS

NON-DESTRUCTIVE TESTS

Comments: FAR BAA COMPLIES, DEARS BAA COMPLIES, FAR TAA COMPLIES

DESTRUCTIVE TESTS

SAMPLE #	1	TENSILE STRENGTH (P.S.I.)	45,281	YIELD STRENGTH (P.S.I.)	40,465	ELONGATION IN 2 INCHES (%)	15	ROCKWELL HARDNESS		AVERAGE GRAIN SIZE (MM.)	
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MECHANICAL PROPERTIES

QUANTITY ORD.	DESCRIPTION	QTY. SHIPPED	DATE SHIPPED
5004 FT	METAL - 6061 ALUM TEMPER - T6 SPEC - AMS 4082P AMS-WW-T-700/6B LENGTH - 12 FT LGTH TOL +.1250 IN -.0000 IN SHAPE - ROUND FINISH - STRAIGHT EXACT LENGTHS OD .3750 +.0030 -.0030 ID .0580 +.0040 -.0040	5040 FT	04/24/15

CUSTOMER PURCHASE ORDER NO.	CUST. ORD. NO.	PRECISION TUBE P/N
49328613 LINE 001	290075	24A037500580006
SOLD: TW METALS 235 TUBEWAY CAROL STREAM, IL 60188 UNITED STATES		
SHIP: TW METALS 235 TUBEWAY CAROL STREAM, IL 60188 UNITED STATES		

CERTIFIED TEST REPORT

A COMPANY OF HULLER INDUSTRIES

287 MISSAHIKON AVE.
NORTH WALES PA 19454

Control No: 169157

PRECISION TUBE CO.



PRECISION
TUBE

KAISER ALUMINUM FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT
http://Online.KaiserAluminum.com

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
2426 STEVENS DRIVE
RICHLAND, WA 99352

CUSTOMER PO NUMBER:		PT48124		SHIP DATE:		SHIP LOT NUMBER:		ALLOY:		TEMPER:	
CUSTOMER PART NUMBER:		SPIRIT-371850		SHIP DATE:		SHIP LOT NUMBER:		ALLOY:		TEMPER:	
QUANTITY:		1925.000 PCS		B/L NUMBER:		DIA/DIA/FTH/IN:		WIDTH:		LENGTH:	
WEIGHT SHIPPED:		10601.000 LB		B/L NUMBER:		DIA/DIA/FTH/IN:		WIDTH:		LENGTH:	
SHIP TO:		PRECISION TUBE CO 287 WISSAHICKON AVENUE N. WALES, PA 19454 USA		SOLD TO:		MUeller INDUSTRIES, INC PRECISION TUBE 8286 TOURNAMENT DRIVE STE. 160 MEMPHIS, TN 38125 USA		BY		CERT APPROVED	

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	%ELONG IN 2	HARDNESS	CONDUCT.	BEND
50751-288	0001	0002	19.2	8.6	22.0	NA N/A	NA N/A	NA N/A
50751-288	0001	0003	19.9	9.1	23.0	NA N/A	NA N/A	NA N/A
50751-288	0001	0004	19.9	8.9	22.1	NA N/A	NA N/A	NA N/A
50751-288	0001	0005	19.8	8.7	22.2	NA N/A	NA N/A	NA N/A
50751-288	0001	0006	19.2	8.3	22.4	NA N/A	NA N/A	NA N/A
50751-288	0001	0007	19.4	8.1	22.5	NA N/A	NA N/A	NA N/A
50751-288	0001	0008	19.3	7.5	21.7	NA N/A	NA N/A	NA N/A
50751-288	0001	0009	19.3	7.9	22.8	NA N/A	NA N/A	NA N/A
50751-288	0001	0010	19.0	7.5	21.5	NA N/A	NA N/A	NA N/A
50751-288	0001	0011	19.7	8.7	20.9	NA N/A	NA N/A	NA N/A
50751-288	0001	0001	18.6	7.6	22.2	NA N/A	NA N/A	NA N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	SI	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ca	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	.0
E74222	.58	.30	.25	.04	.98	.07	.04	.02	.00	.00	.00	.01	.02

Applicable Requirements:

ASTM-B241-12 NON-STENCILED ASTM-B221-13 ASTM-B345-11 AMS-QQ-A-200/B 97(R07) TYPE I
UNS#A96061 Also conforms to EN 10204 3.1

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.



Plant Serial: 00011865
Kaiser Order Number: 318360
Line Item: 001

CERTIFIED TEST REPORT
<http://online.kaiseraluminum.com>

Best in Class

KAISER
ALUMINUM
FABRICATED PRODUCTS

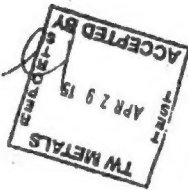
KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
2426 STEVENS DRIVE
RICHLAND, WA 99352

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested in accordance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgment form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

JOSEPH AMES, QUALITY MANAGER

John



Plant Serial: 00011865
Kaiser Order Number: 318360
Line Item: 001



0'Neal High-Performance Metals Group



Packing Slip

ORDER NO.: 60583533 FROM: CRAN

PAGE 2

CUST NUMBER: 1203820 NET WGT: 19.218 REQ. DATE: 08/27/15 CONFIRMED
SHIP TO:
DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY ON
CANADA

SALESPERSON: DONNA SMALLEY
NET 30 DAYS
SHIPPING POINT
PO29524
COMMON CARRIER
PREPAID

TERMS: F.O.B.:
CUST ORD NO.:
VIA:
FREIGHT:
RELEASE NO.:
RECEIVING PHONE:

"TW Metals MSDS data is available on our web site at www.twmetals.com. MSDS & data can be found under the Technical Resources Tab, Product Statistics you may telephone 610-458-1300 and we will mail or fax a copy of our current MSDS data to your location."

"CERTIFICATE OF CONFORMANCE"

"TW Metals certifies that the material supplied on this purchase order and contained in the heat/lot number referenced above has been manufactured, inspected, and tested in accordance with the material specification. These records are on file at TW Metals. Packaging material for shipments to Europe and China consists of manufactured wood products and complies with the European emergency measures for coniferous non-manufactured wood packaging material"

Electronically Generated Document-Valid Without Signature Date: 8/21/15

These commodities have been exported from the United States in accordance with the U.S. export control laws, export administrations regulations. Diversion contrary to U.S. law prohibited.

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE PRODUCTS ARE SET FORTH ON OUR WEBSITE FOR YOUR CAREFUL REVIEW.
<http://www.twmetals.com/invoice-terms.html>

KAISER ALUMINUM FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT
<http://online.kaiseraluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

CUSTOMER PO NUMBER:		M49330211-1		CUSTOMER PART NUMBER:		42588		PRODUCT DESCRIPTION:		Seamless Tube/Pipe	
KAISER ORDER NUMBER:		LINE ITEM:		SHIP DATE:		KAISER LOT NUMBER:		ALLOY:		TEMPER:	
218040		001		04/13/2015		F00185885		6061		T6	
WEIGHT SHIPPED:		QUANTITY:		B/L NUMBER:		DIA/DAF/THKNS:		WIDTH:		LENGTH:	
366,000 LB		132,000 PCS		218440						12,000 FT	
SHIP TO:		SOLD TO:									
TW METALS INC 27 ENGLEHARD DRIVE EXIT 8A OFF NJ TPK MONROE TWP, NJ 08831 USA				TW METALS INC 760 CONSTITUTION DRIVE SUITE 204 EXTON, PA 19341 USA							

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CON%IACS	BEND
F00185885	0001	1	45.9	44.0	16.0	N/A	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

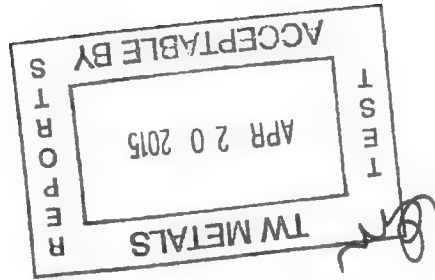
LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
D39623	.57	.26	.22	.04	1.01	.06	.01	.02	.00	.00	.00	.01	.02

Applicable Requirements:

Description: OD: 0.6250"; Wall: 0.1250"; Round
 AMS-4082P AMS-WW-T-700/6B ASTM B210-12 WW-T-700/6F
 WE TAKE EXCEPTION TO PARA. 5.2.1., Per AMS-4082P, WAS NOT OILED.
 This Product Complies to FAR BAA, DFRAS BAA, FAR TAA
 COMPLIES TO DIN EN 10204 JAN 2005
 No Weld Repair. Mercury Free.

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
 MATERIAL COMPLIES WITH FAR BAA (FAR 52.225-1, BUY AMERICAN ACT- SUPPLIES), DFRAS BAA
 (DFARS 252.225-7001 BUY AMERICAN ACT & BAL OF PAYMENTS PROG), AND FAR TAA (FAR 52.225-5
 TRADE AGREEMENTS).





PACKING SLIP

ORDER NO.: 03344287 FROM: CINC PAGE 1

CUST NUMBER: 1203820 NET WGT: 6.926 REQ. DATE: 08/27/15 CONFIRMED

SOLD TO: DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON CANADA
SHIP TO: DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON ONTARIO CANADA

SALESPERSON: DONNA SMALLEY SHIP BY: 08/21/15
TERMS: NET 30 DAYS VIA: COMMON CARRIER
F.O.B.: SHIPPING POINT FREIGHT: PREPAID
CUST ORD NO.: PO29524 IT 3 RECEIVING PHONE:

LINE ITEM DESCRIPTION 42891 D6061-T6 3/4 OD X .125 WA 12 FT ML

ORD QTY 24.000 FT INVOICE QTY 24.000 FT SHIPPED QTY 24.000 FT WT 6.926 PCS

** 1 TEST REPORTS REQUIRED **
** 1 CERTS REQUIRED **

ECGN: BAR99 Export License: NLR Expiration Date: 0/00/00
PO: 49304300 HT: 19714262 PC: 2 MFG: UNITED STATES
MLT: SLB/CL: 1000542011 CUSTOMER QTY: UOM

BROKERS RUEHNE NAGEL LTD

AREA TYPE OF PKG DOCK TUBE WITH BOARD PKGS 1.000 GRS WEIGHT 45.000 WIDTH 7.0000 LENGTH 148.0000 HGHT 6
PACK INFO -----
UNLOAD TYPE: NONE SPECIFIED

BY: TH RT 000-

DATE SHIPPED

DATE FILLED

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE
OF THESE PRODUCTS ARE SET FORTH ON THE
REVERSE SIDE FOR YOUR CAREFUL REVIEW.



PACKING SLIP

ORDER NO.: 03344287 FROM: CINC PAGE 2

CUST NUMBER: 1203820 NET WGT: 6.926 REQ. DATE: 08/27/15 CONFIRMED

SOLD TO: DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON CANADA

SALES PERSON: DONNA SMALLEY SHIP BY: 08/21/15 SHIP TO: DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON ONTARIO CANADA CN K6A 1K7

TERMS: NET 30 DAYS SHIPPING POINT: CINCINNATI OH 45237

"TW Metals MSDS data is available on our web site at www.twmetals.com. MSDS data can be found under the Technical Resources Tab, Product Statistics & Data and the TW Metals MSDS's heading. If you do not have web site access you may telephone 610-458-1300 and we will mail or fax a copy of our current MSDS data to your location."

"CERTIFICATE OF CONFORMANCE"

"TW Metals certifies that the material supplied on this purchase order and contained in the heat/lot number referenced above has been manufactured, inspected, and tested in accordance with the material specification. These records are on file at TW Metals. Packaging material for shipments to Europe and China consists of manufactured wood products and complies with the European emergency measures for confireous non-manufactured wood packing material"

Authorized Test Report Clerk _____ Date: 8/21/15

These commodities have been exported from the United States in accordance with the U.S. export control laws, export administrations regulations. Diversion contrary to U.S. law prohibited.

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE PRODUCTS ARE SET FORTH ON THE REVERSE SIDE FOR YOUR CAREFUL REVIEW.

Certified Inspection Report

ALCOA
Alcoa Forgings and Extrusions
Lafayette Operations
3131 East Main Street
Lafayette, IN 47905-7500

Alcoa, Inc.

Invoiced To Customer
TW METALS INC
THE ARBORETUM SUITE 204
760 CONSTITUTION DR
EXTON, PA - 19341

Ship To Customer
TW METALS INC
235 W. TUBEWAY
CAROL STREAM, IL - 60188

Sales Order Number		Customer P/O		Cert Number	Page
1000542011	Line No. 2.1	49304300-001 / ITEM 42891		AEP1663581	1/2
23-JAN-14		23-JAN-14		23-JAN-14	

Quantity Shipped		Date Shipped		Item Description	
834	LB	23-JAN-14		Drawn Tube OD X WALL 0.750 OD x 0.125 WALL	
B/L		Item No.		74 IN LN	
2131796		G03346681		6061 / T6	
Delivery ID		Item No. Rev		W/F 0.289	
9025671				Machining CONTINUOUS; Oiling NO	
Customer Part No				AMS4082 REV P	
				AMS-WW-T-700/6 REV B	
				ASTM B210 REV 12	
				CP49-7.4.2-005 REV 8	
				WV-T-700/6 REV F, AM2, NOT I	
				AS9100 REV C	
				MMS1440 REV A	

Notes
The material for this order was melted and manufactured in USA.
COMPOSITION NOTE: The values for 'Others Each' and 'Others Total' have met the limits as shown on this certified inspection report. Remainder is Aluminum.

Legal Statement

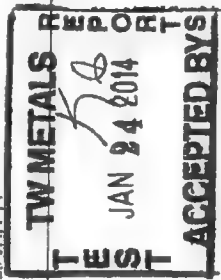
We hereby certify that, unless otherwise indicated, the material covered by this report has been manufactured, inspected, and tested in accordance with, and has been found to meet, the applicable requirements described herein, including any specifications forming a part of the description and that samples representative of the material met the composition and had the mechanical properties shown on the face of this certification. Also, note that mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product. This certification is not to be reproduced in partial form without prior written approval of our Quality Assurance Dept.

Signature And Title

Melissa Griffith
Melissa Griffith
Quality Control Manager

DAS
14
9-89

23-JAN-14



Quantities per Lot / Packages

Package Number	Lot Number	Quantity	UOM	Gross Weight	Net Weight
G17-PKG646879	19714262	80	PCS	288	278
G17-PKG646880	19714262	80	PCS	288	278
G17-PKG646884	19714262	80	PCS	288	278

Composition Limits

Alloy	Wt %	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
6061	Min	0.40	---	0.15	---	0.8	0.04	---	---
	Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15

Others Total									
Alloy	Wt %	Others Each							
6061	Min	---							
	Max	0.05							

Composition Results

Heat / Cast / Lot Number	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
7021-L2	0.6	0.21	0.24	0.05	0.9	0.06	0.06	0.02

KG



Alcoa Forgings and Extrusions
Lafayette Operations
3131 East Main Street
Lafayette, IN
47905-7500

Certified Inspection Report

Cert Number AEP1663581	Page 2/2
23-JAN-14	Cert Print Date 23-JAN-14

Sales Order Number	Customer P/O
1000542011	49304300-001 / ITEM 42891
Line No.	2.1

Composition Results

Heat / Cast / Lot Number	Others Each	Others Total
7021-L2	--	--

Mechanical Property -

Test Results	Test Type	UTS - L	TYS - L	EL 4D-Long
	UOM	KSI	KSI	PCT
	# of Tests			
	Piece / Test ID	Results	Results	Results
	1-F	44.9	41.0	20.0

Other -

Test Limits

Test Type	Dimensional
UOM	
# of Tests	
Lot Number	Min P
SPEC LIMITS	Max

Other -

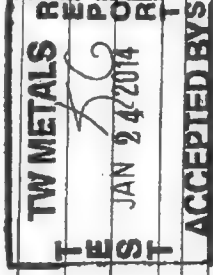
Test Results

Test Type	Dimensional
UOM	
# of Tests	
Lot Number	Results P
19714262	

Cert Notes

Made in USA

The test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.



O'Neal High-Performance Metals Group

Invoice# : 03344287
Cust. PO# : PO29524 IT 3
Incoterms : SHIPPING POINT
Frt. Terms : PREPAID
Ship Via : COMMON CARRIER

COMMERCIAL INVOICE

7640 REINHOLD DR
CINCINNATI
Tel: 800-806-1757
FAX: 5138213825

Freight Forwarder/Intermediate Ship To:

Sold to: DART AEROSPACE LTD
1270 ABERDEEN ST
HAMKESBURY ON
CANADA
CN K6A

contact: CHANTREL

16136321053

Invoice Date: 8/21/15

Ship Date: 8/21/15

Payment Terms: NET 30 DAYS

Ship To/Final Destination:

DART AEROSPACE LTD
1270 ABERDEEN ST
HAMKSBURY ON
ONTARIO CANADA
CN K6A 1K7

ITEM#/LINE#	DESCRIPTION	QUANTITY	UNIT	VALUE
42891	D6061-T6 3/4 OD X .125 WA	24.000	FT	\$ 9.2000
1	ALUMINUM TUBE ROUND	2.000	PC	
	PART NUMBER:			
	ECCN: EAR99			
	SCHEDULE B: 7608.20.0030			
	ALUM PIPE/TUBE - SEAMLESS			
	NET WGT: 24.000 LBS			
	COUNTRY OF MFG: UNITED STATES			
	QUANTITY AND TYPE OF BOXES:			
	1 TUBE WITH BOARD			
	148.0000 X 7.0000 X 6.0000			
	TOTAL WGT: 24.000 LBS			
	GROSS WGT: 45.000 LBS			
	EXPORT LICENSE NUMBER: NLR			
	EXPIRATION DATE: 00/00/00			
	TW METALS, INC CERTIFIES THAT THE COUNTRY OR COUNTRIES OF MANUFACTURE INDICATED ABOVE IS TRUE AND CORRECT AS CONTAINED IN THE RECORDS OF TW METALS, INC.			
	THESE COMMODITIES HAVE BEEN EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE U.S. EXPORT CONTROL LAWS, EXPORT ADMINISTRATION REGULATIONS, DIVERSION CONTRARY TO U.S. LAW PROHIBITED			
	Sales Tax			
	Payable in US Dollars			
	SUBTOTAL			\$ 220.80



O'Neal High-Performance Metals Group

CERTIFICATE OF COMPLIANCE

7640 REINHOLD DR
CINCINNATI
OH 45237
Tel: 800-806-1757
FAX: 5138213825

Your Order Number:

PO29524 IT 3

Our delivery receipt Number:

03344287

Date:

8/21/15

This is to certify that the material shipped against the above order on the above delivery receipt, consisting of:

Quantity:

24.000 FT

Grade:

D6061-T6 3/4 OD X .125 WA

Line Number:

1

Part #:

Heat Number:

19714262

DAS
14
9-88

15/08/81

Complies in all respects with the item description.

Specification:

BY:

Authorized Test Department Clerk



North American Free Trade Agreement
CERTIFICATE OF ORIGIN

0'Neal High-Performance Metals Group

1. EXPORTER NAME AND ADDRESS : TW METALS-CINCINNATI 7640 REINHOLD DR CINCINNATI OH 45237 UNITED STATES		2. BLANKET PERIOD : FROM : 01-Jan-15 TO : 31-Dec-15	
3. PRODUCER NAME AND ADDRESS : AVAILABLE TO CUSTOMS UPON REQUEST		4. IMPORTER NAME AND ADDRESS : DART AEROSPACE LTD 1270 ABERDEEN ST HAWKSBURY ON ONTARIO CANADA CN K6A 1K7 CANADA	
5. DESCRIPTION OF GOOD(S) ALUMINUM TUBE ROUND		6. H.S. TARIFF CLASSIFICATION NUMBER 7608.20.0030	
7. PREFERENCE CRITERION B		8. PRODUCER NO (2)	
9. NET COST NO		10. COUNTRY OF ORIGIN US	
I CERTIFY THAT: THE INFORMATION ON THIS DOCUMENT IS TRUE AND I ASSUME THE RESPONSIBILITY FOR PROVIDING SUCH REPRESENTATIONS. I UNDERSTAND THAT I AM LIABLE FOR ANY FALSE STATEMENTS OR MATERIAL OMISSIONS MADE ON OR IN CONNECTION WITH THIS DOCUMENT. I AGREE TO MAINTAIN AND PRESENT UPON REQUEST, DOCUMENTATION NECESSARY TO SUPPORT CERTIFICATE, AND TO INFORM, IN WRITING, ALL PERSONS TO WHOM THE CERTIFICATE WAS GIVEN, OF ANY CHANGES THAT COULD AFFECT THE ACCURACY AND VALIDITY OF THIS CERTIFICATE. THE GOODS ORIGINATED IN ONE OR MORE OF THE PARTIES, AND COMPLY WITH THE REQUIREMENTS SPECIFIED FOR THOSE GOODS IN THE NORTH AMERICAN FREE TRADE AGREEMENT, AND UNLESS SPECIFICALLY EXEMPT IN ARTICLE 411 OR ANNEX 401, THERE HAS BEEN NO FURTHER PRODUCTION OR ANY OTHER OPERATION OUTSIDE THE TERRITORIES OF THE PARTIES: AND THIS CERTIFICATE CONSISTS OF _____ PAGES, INCLUDING ATTACHMENTS.			
11. AUTHORIZED SIGNATURE :		COMPANY : TW METALS	
NAME (PRINT OR TYPE) : BRANDI DRISCOLL		TITLE : EXPORT DEPARTMENT	
DATE : 21-Aug-15 DD MM YY		TELEPHONE : 800-806-1757	

ABF FREIGHT SYSTEM, INC./CANADA, LTD.

(ABFS)



TERMINAL 613-244-3593
SHIPERS NO. 03344287-12364 CRN SEE BELOW
08/25/15 12:28

PICK UP DATE	08/21/15	3840	CODE TO	P.O. NO.	NO. OF P.O.'S	ROUTING	CIN-OWA	CONSIGNEE	544230-0001	DART AEROSPACE LTD	1270 ABERDEEN ST	HAWKESBURY ON K6A1K7	CA
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T W METALS INC

7640 REINHOLD DR
CINCINNATI OH 45237-3312

PIECES	1	DESCRIPTION	PIPE OR TUBING, ALUMINUM, NOT, 0/1
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TOTAL IND PIECES: 1
PIPE OR TUBING, ALUMINUM, NOT, 0/1
SU CORRUGATED CULVERT OR PIPE, WITH
OR W/O COVERING OR LINING OF BRASS,
COPPER, OR STEEL, STRAIGHT OR BENT
SHAPES, WITH OR W/O COUPLINGS,
FERRULES, VALVES OR NIPPLES
ITEM 051820-00P
// CROSS-BORDER ADMINISTRATIVE FEE
// SINGLE SHIPMENT
// FUEL SURCHARGE
// GOODS & SERVICES TAX
// Z20/AUTH: Add single shipment//
CRN: 03344287
ABF MEASURED CUBE: 3.000 CUFT
TOTALS FREIGHT BILL NO 067454054

WEIGHT (LBS)	45	CUAF	SS	FSC	GST
RATE	45	PREPAID			
CHARGES					

BILL TO	1	CONSIGNEE	SFB 036938-P007	COO AMOUNT	22149	FB	ABF80046	QIR	452373312	CZP	K6A1K7	SPEC. HAND.
DELIVERY DUE	THU 08/27	DATE		DELIVER TO								
DELIVERY DATE		DRIVER		CONSIGNEE								

DELIVERY DATE		DRIVER		CONSIGNEE								
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X

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M606176 DATE: 15/08/31
 MATERIAL CERT REC'D: 480 QUANTITY RECEIVED: 24'
 QUANTITY INSPECTED: 24' QUANTITY REJECTED: _____
 THICKNESS ORDERED: RD TUBE .750X.125W THICKNESS RECEIVED: .750X.125W
 SHEET SIZE ORDERED: _____ SHEET SIZE RECEIVED: _____
 PO / BATCH NO.: 29524/H133044

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION
 INSPECTED BY: DAS 14 9-89
 DATE: 15/08/31
 SIGNED OFF BY: _____
 DATE: _____
 ENGINEERING SIGNOFF (if required)

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in